

FIG.1

08986186.120597

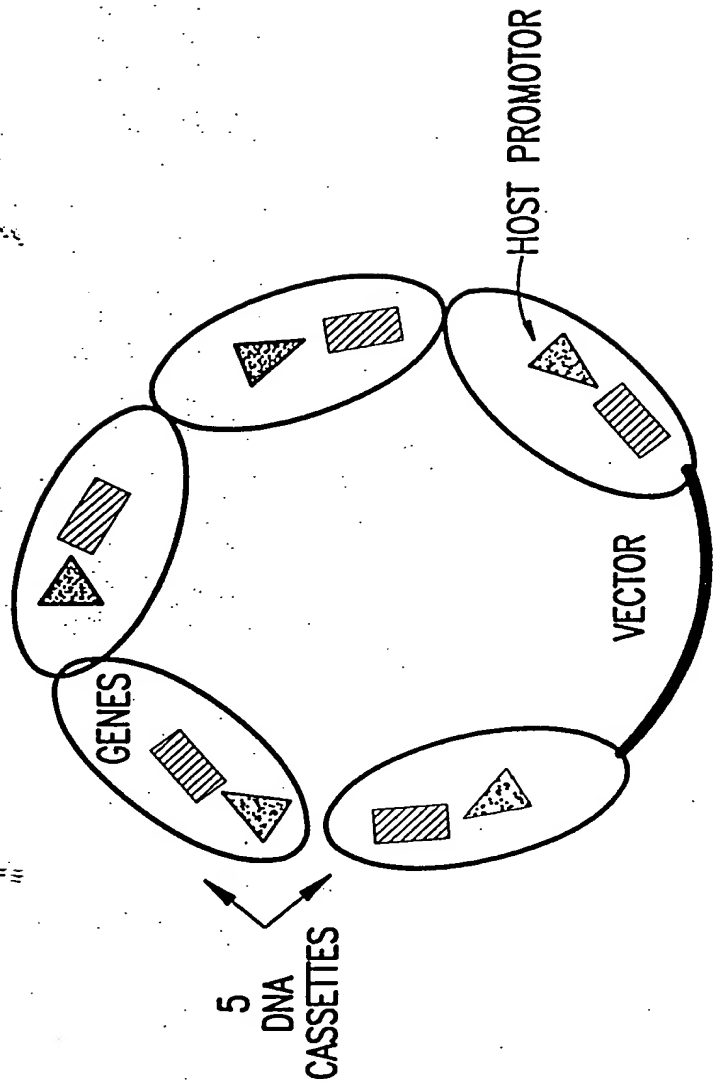


FIG.2

0898185 12057 26502T" 98T98680

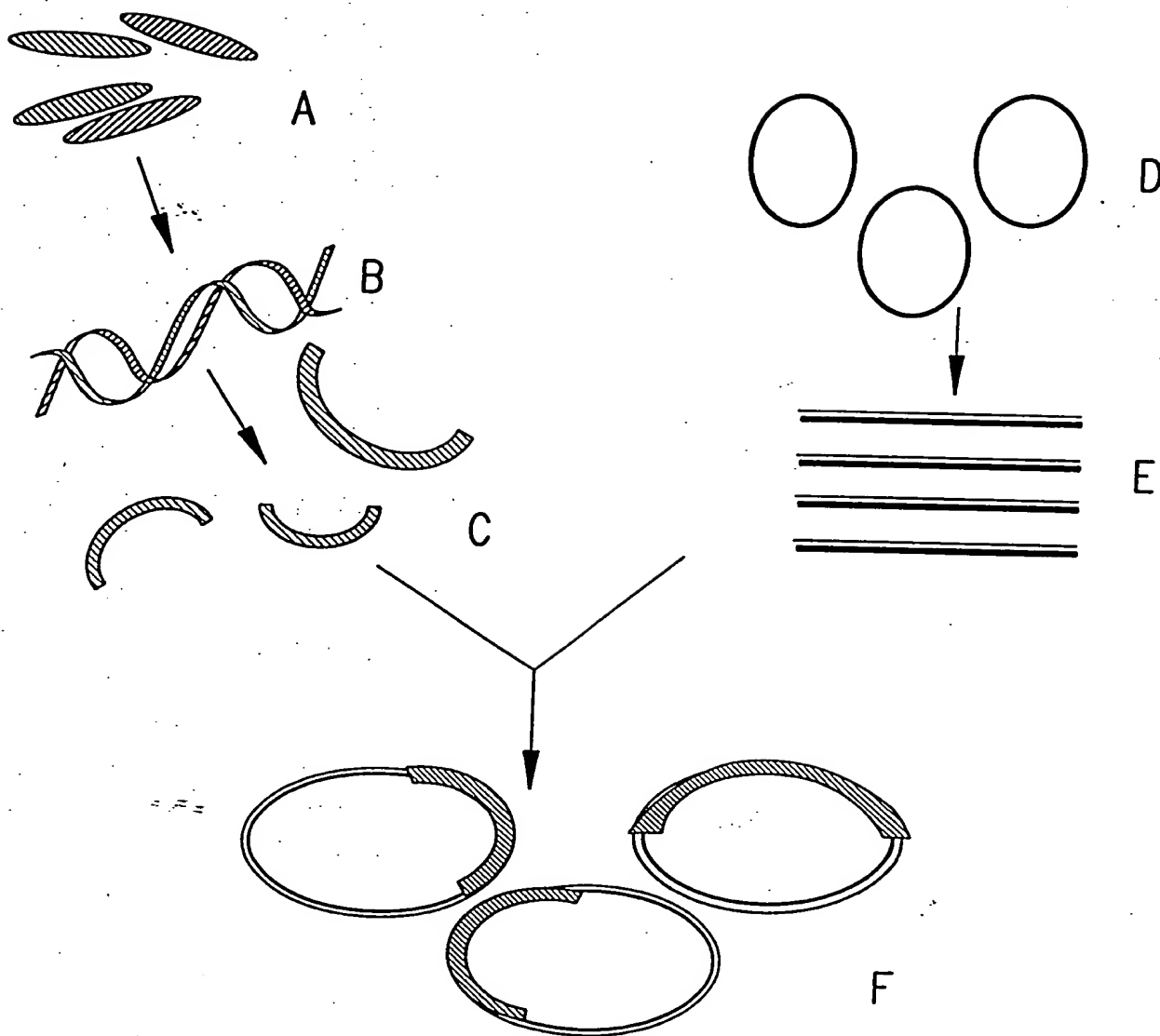


FIG.3

08986186-120597

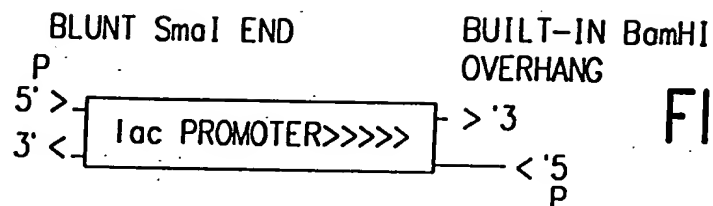


FIG.4A

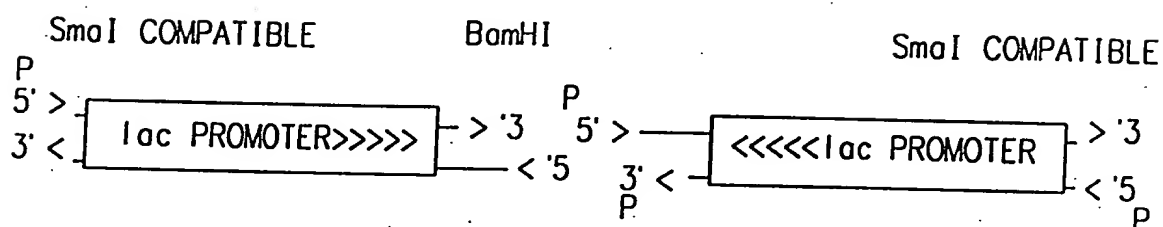


FIG.4B

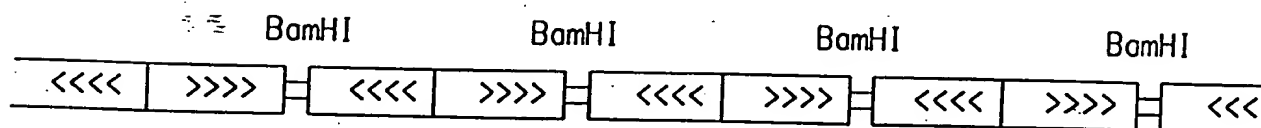


FIG.4C

08986186-120597

265021 98T98680

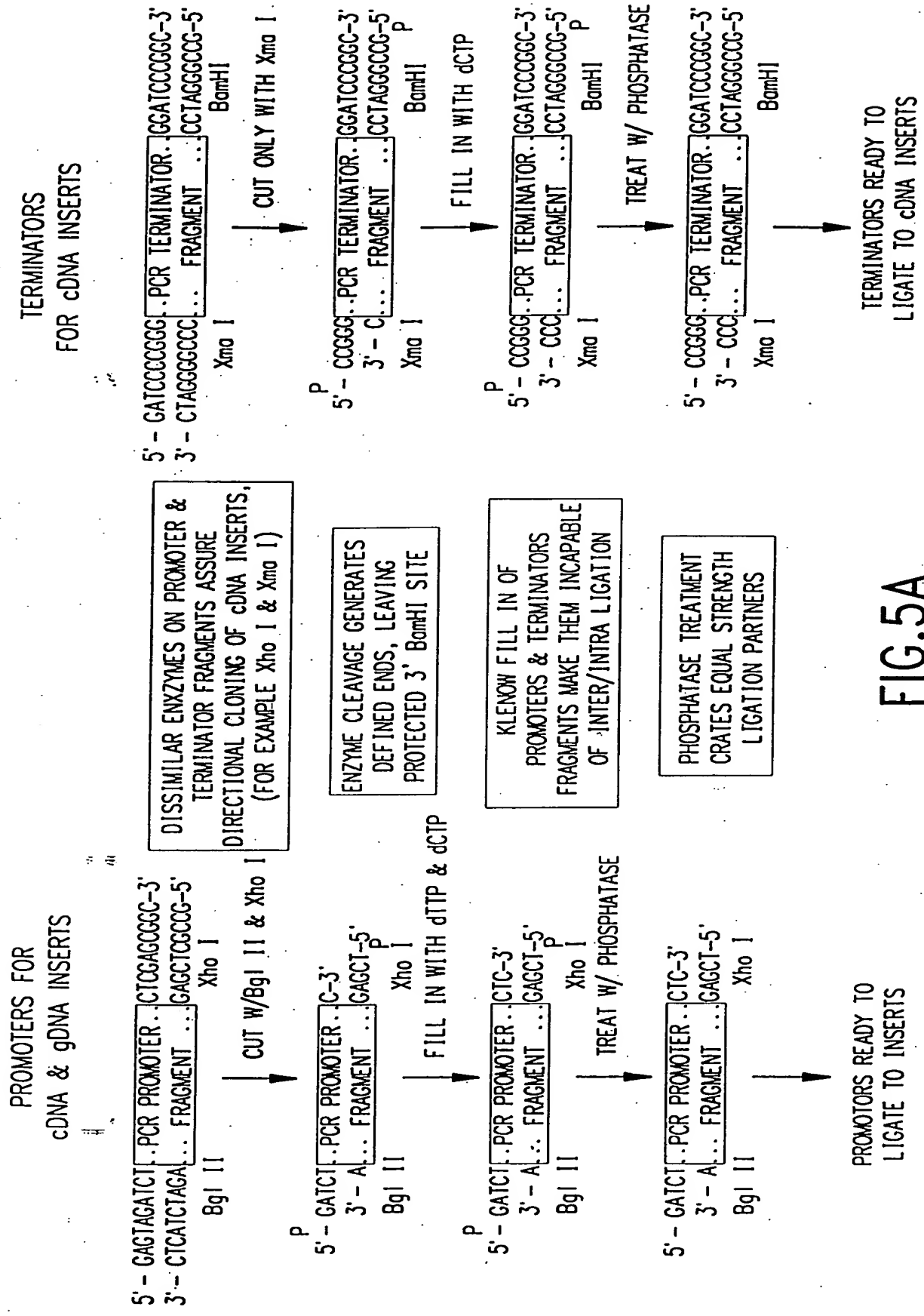


FIG.5A

46502T" 98T98680

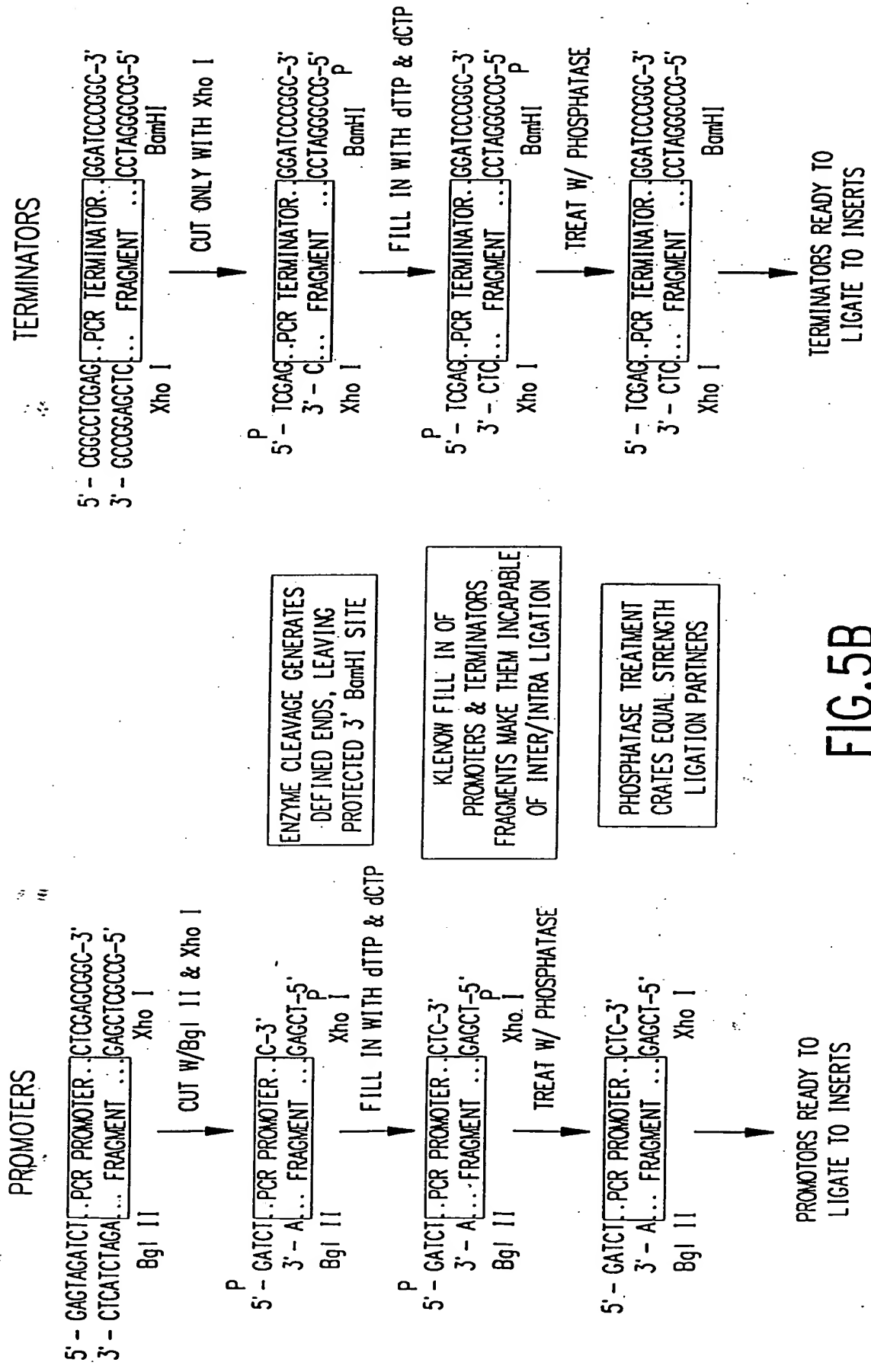


FIG.5B

265021 98T98680

FIRST STRAND cDNA SYNTHESIS PREPARED WITH Not I CONTAINING poly-dT PRIMER AND 5'-M<sub>6</sub>CTP, AFTER 2nd STRAND SYNTHESIS, MODIFIED BamHI ADAPTERS ARE ADDED & cDNA IS DIGESTED WITH Not I, GIVING DIRECTIONAL cDNA GENE INSERTS

INSERT cDNAs

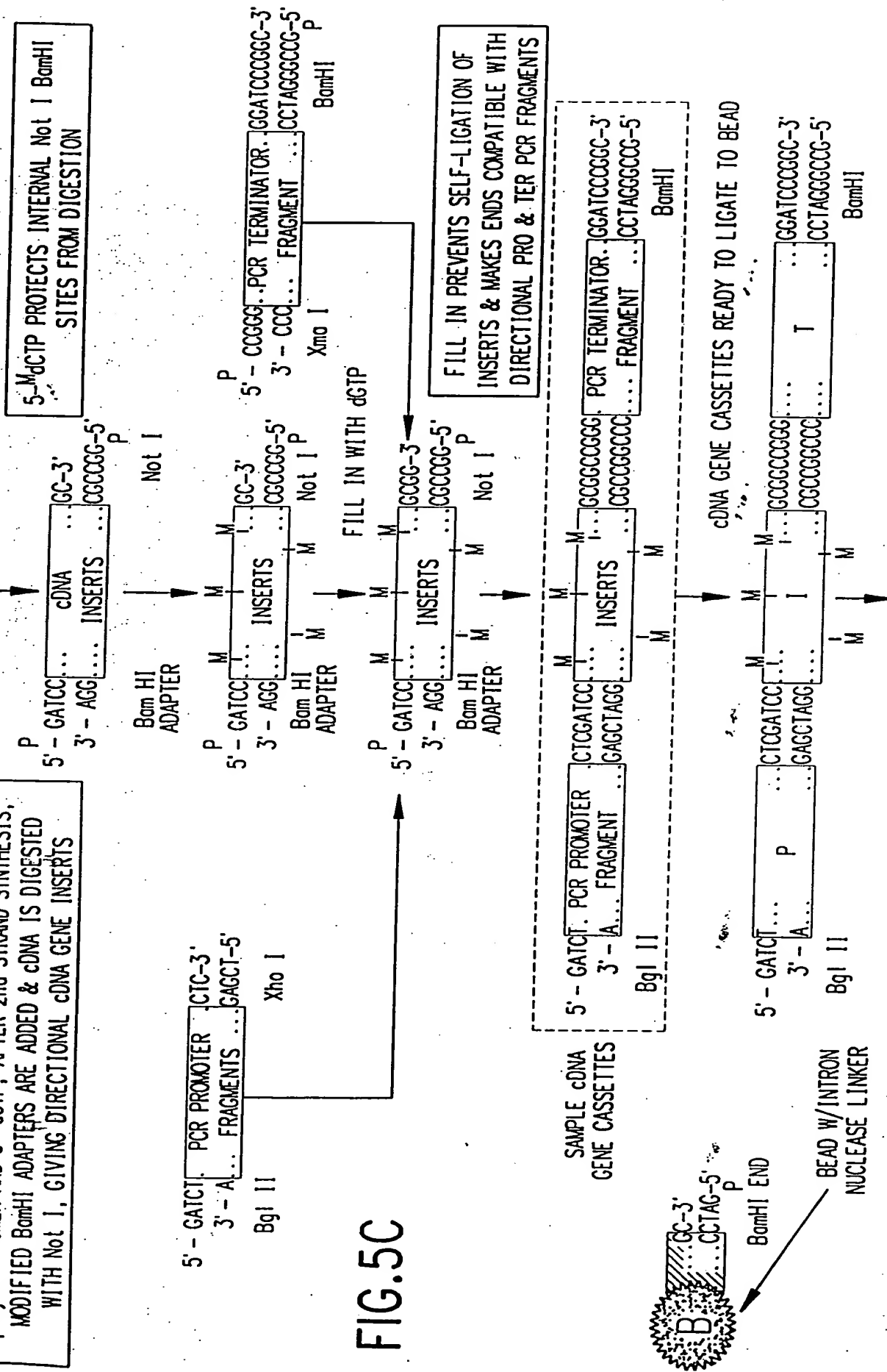


FIG.5C

265021 98T98680

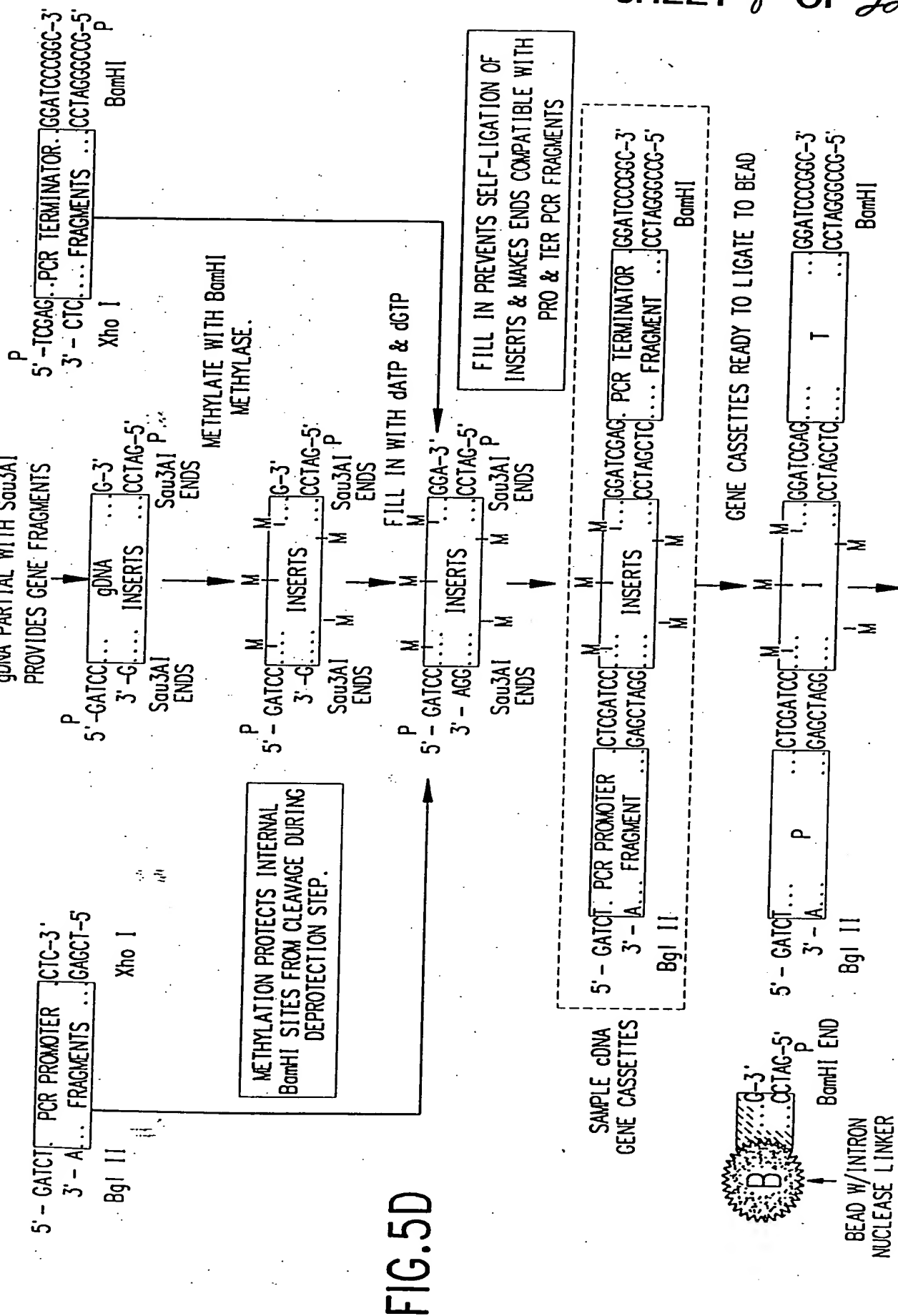
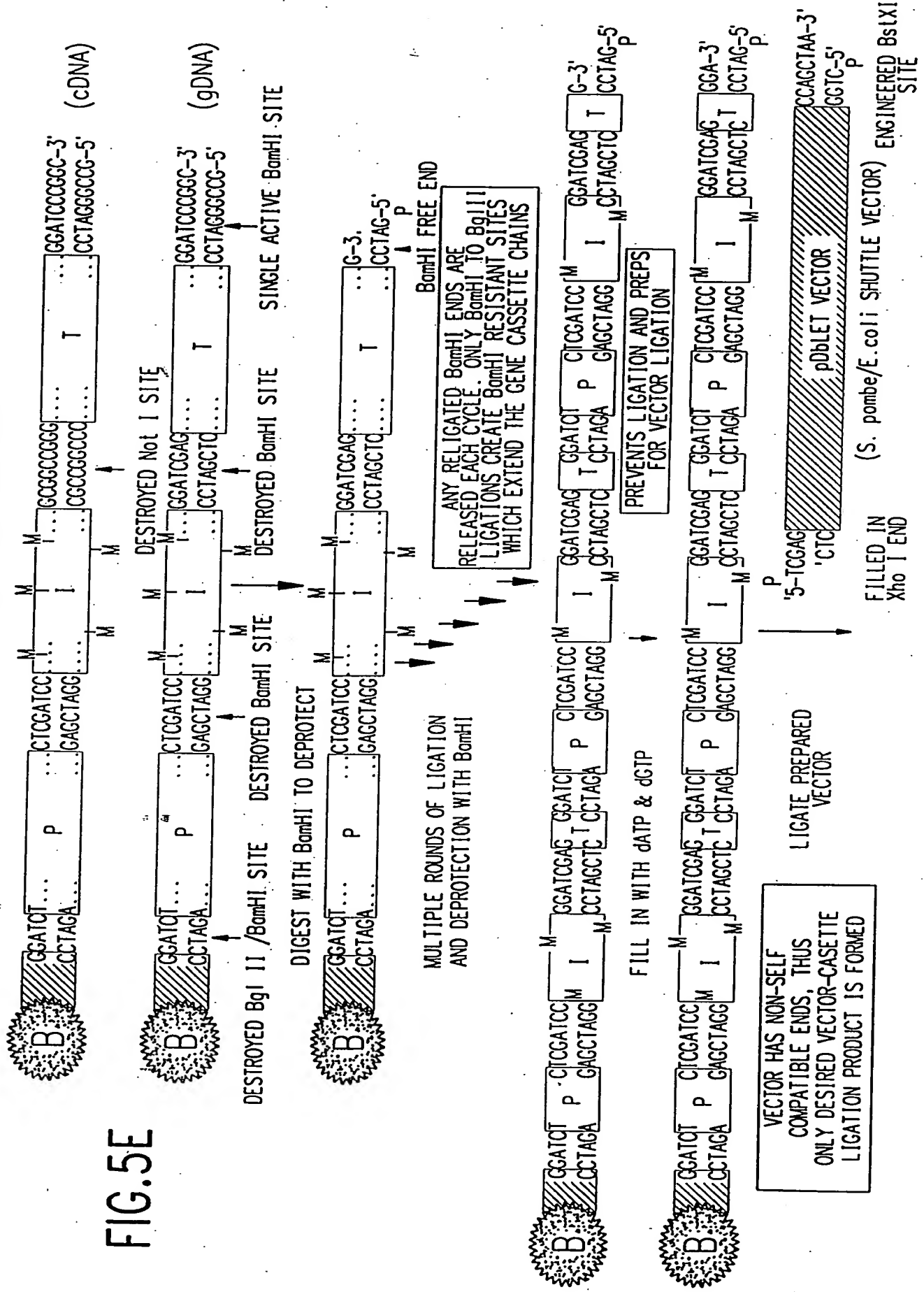




FIG. 5E



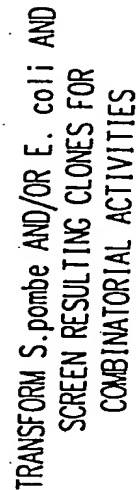


FIG. 5F

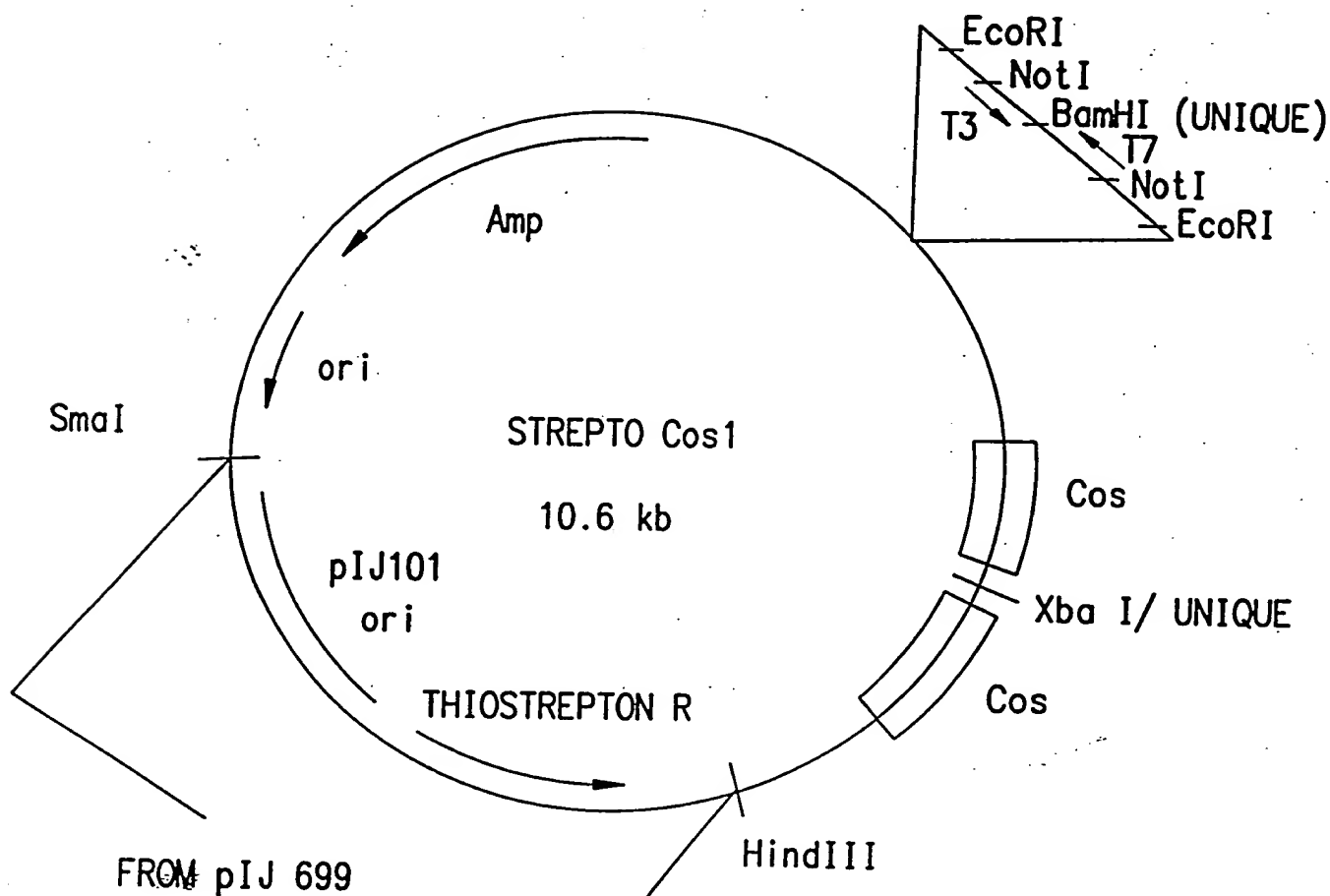
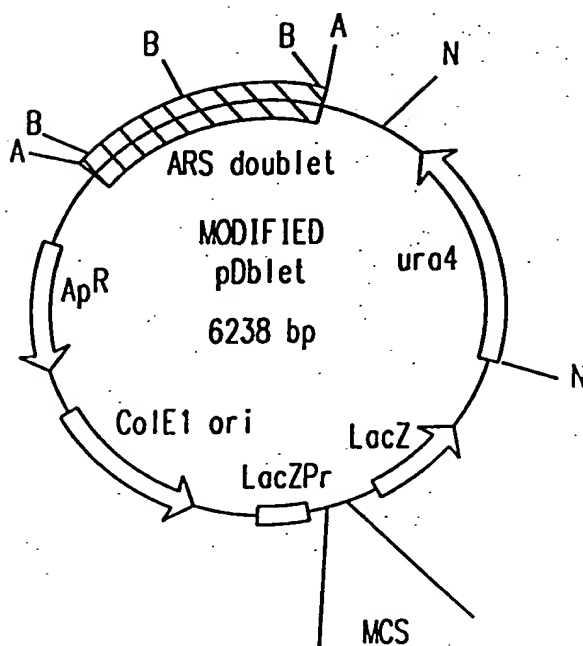


FIG.6A

03085.135.120597



MCS = SacI-NcoI-BstXI-NotI-Xba....

FIG.6B

5' CCTAGCCATGGCCACCTAACTGGGATCGC 3'  
 3' TCGAGGATCGGTACCGGTGGATTGACCCTAGCGCCGG 5'  
 SacI NcoI BstXI NotI END

FIG.6C

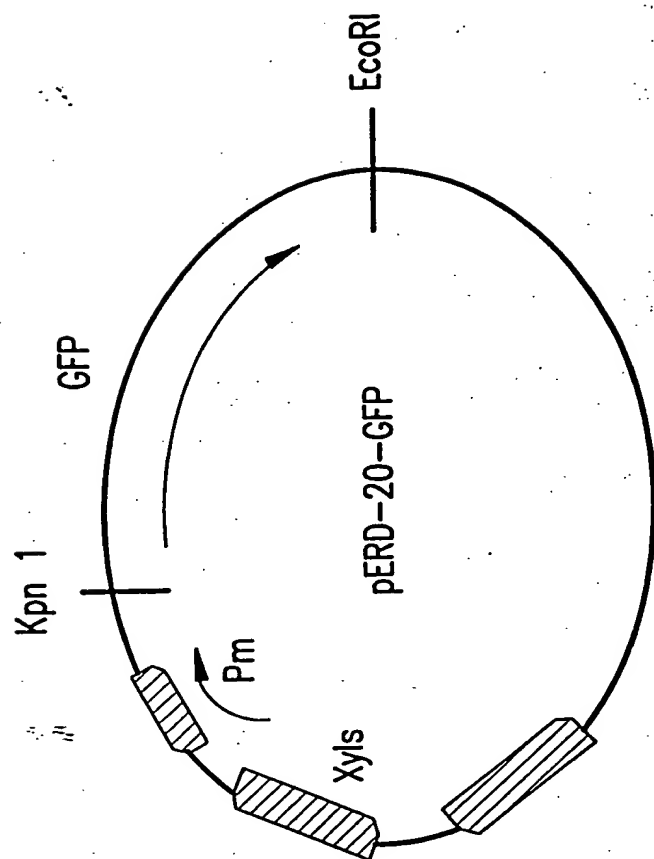


FIG.7

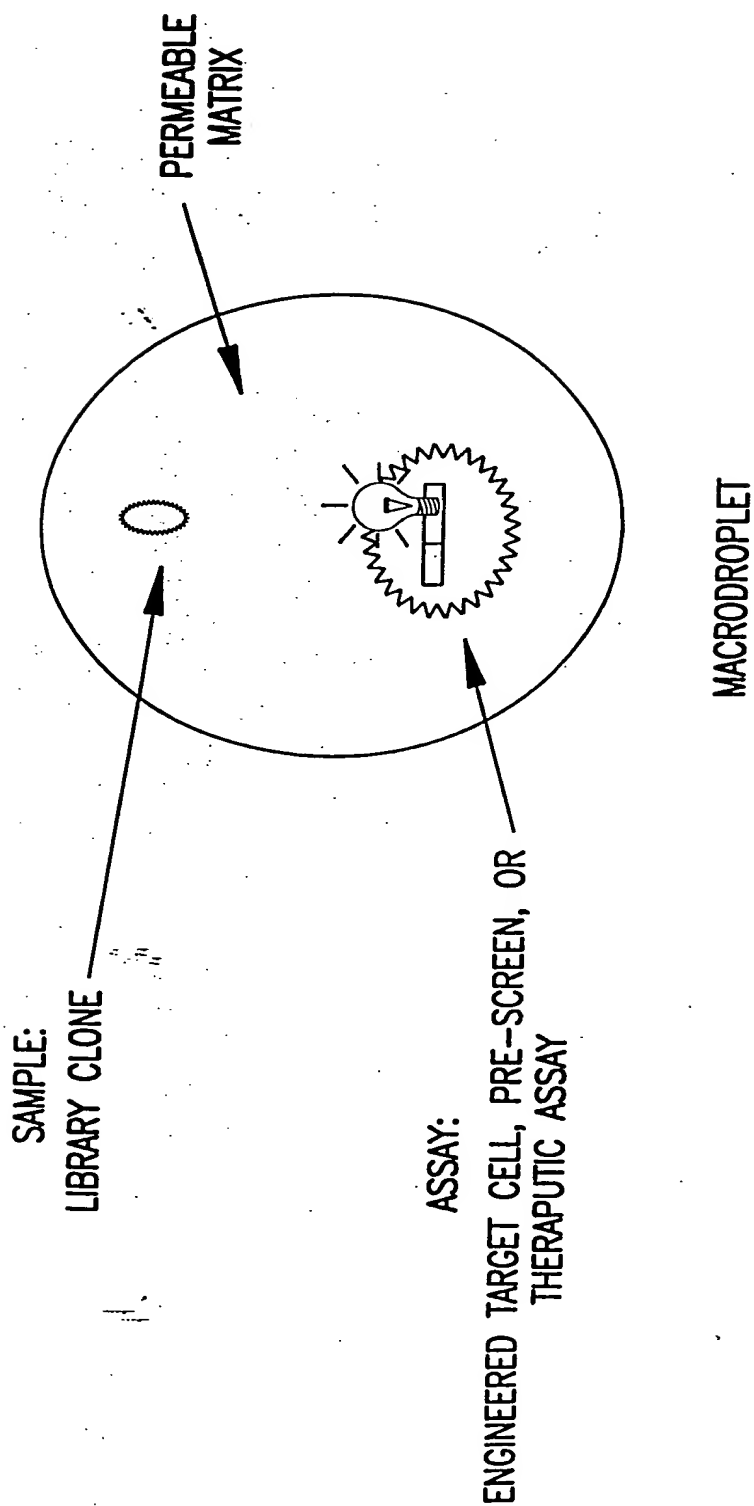


FIG.8

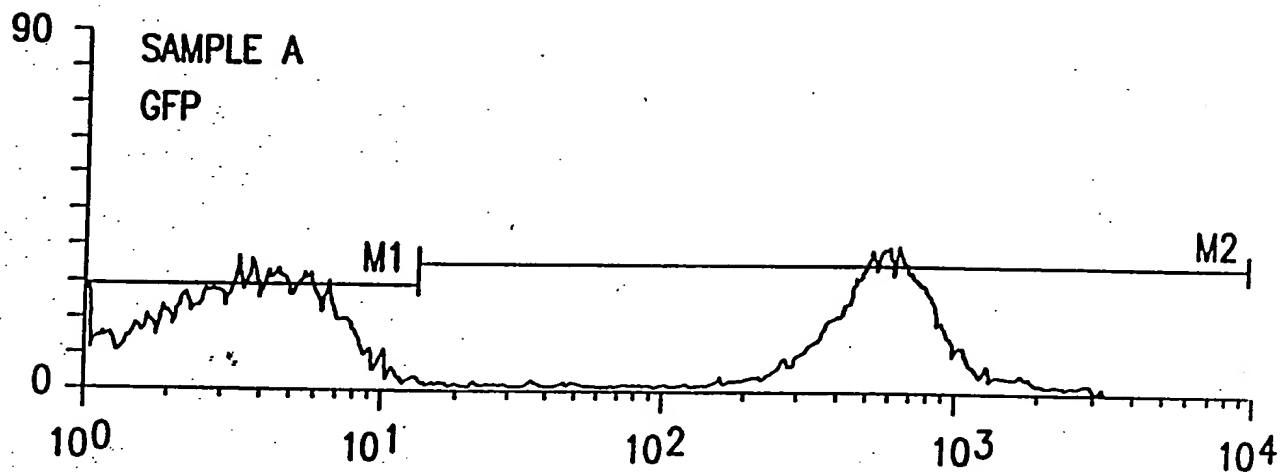


FIG. 9A

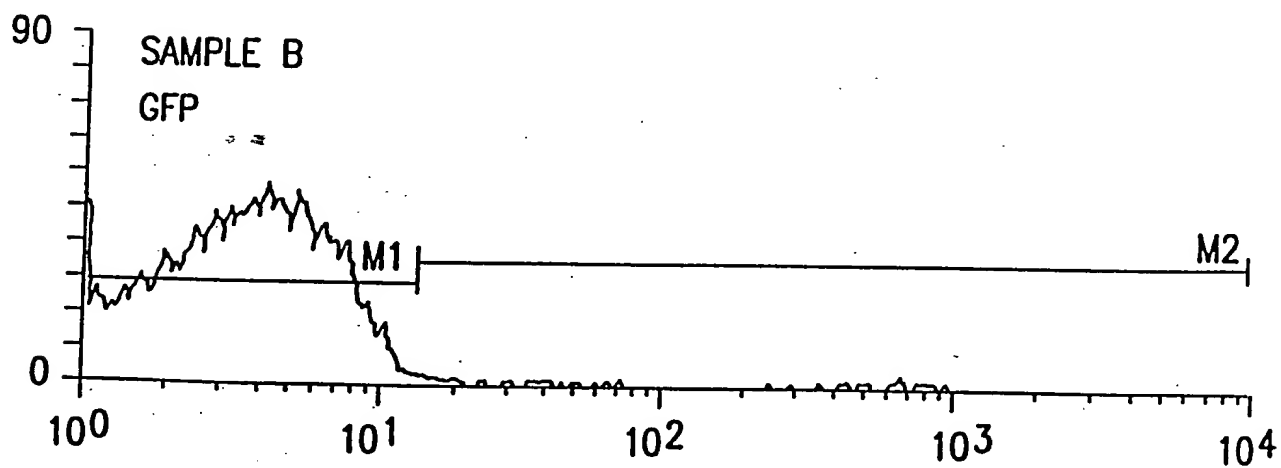


FIG. 9B

POSITION			
CXC-AMN20	(1)	NSHFIIITTTQGVLVFDSGSSSEHIGNA	(23)
ACTINORHODIN DEHYDRASE	1	MTVEVREVAEGVYAYEQAPGGWCVSNA	50
CXC-AMN20	(24)	IIAAVKRVTEQPIRWVVNSSHADHWLGNAAALAKLGAELIS	(73)
ACTINORHODIN DEHYDRASE	51	LAEWVDKLAACPGRTVNTTHFHGDAFCNQVFA-P-GTRIIIAHEDMRSAMIV	99
CXC-AMN20	(74)	SDGPVDVKAFFNMTKCATGCESTLVIPITSIILHQQTTRTFGDTTEVEFVFAND	(123)
ACTINORHODIN DEHYDRASE	100	TTGLALTG-LWPP--RVVDWGEIELRPPNVVTFRDRLTLHVGERQVELT	146
CXC-AMN20	(124)	CHSPGDVIMLWLPKQRIILIGGDVVNSNFMPIMTPRGNITQLTSV	(173)
ACTINORHODIN DEHYDRASE	147	AHTDHDVVVWLPPEERVLFFAGDVMVMSGVTP-FALFGSVAGTLAALDR	195
CXC-AMN20	(174)	PLLVLTGHCENTSVKSVSRDIQFLITYASNVAVHEALVKGTTPAKIQASLQ	(223)
ACTINORHODIN DEHYDRASE	196	EPVVVVGCHGPVAGPEVILDANRDYLRWVQRLAADAVDRRLT	245
CXC-AMN20	(224)	ATLRTKFGKAYQDFDTSISYLLLEMMIDKQRLQFSPIT	(264)
ACTINORHODIN DEHYDRASE	246	LGAFAGLLDAERLVANLHRAHEELLGCHVVRDAMEIFAELVAYNGGQLPTC	295
CXC-AMN20	-	-	-
ACTINORHODIN DEHYDRASE	296	LA*	297

FIG.10



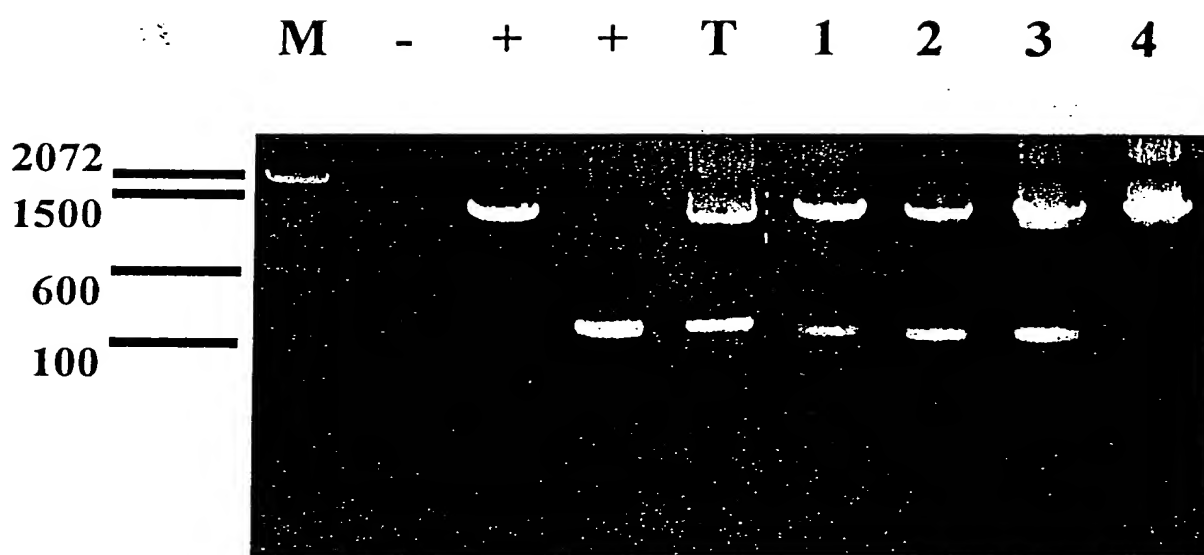


FIG.11

26502T" 98T98680

# POOL 1

M - + + 1 2 3 4 5 6 7 8 9 10

2072  
1500  
600  
100

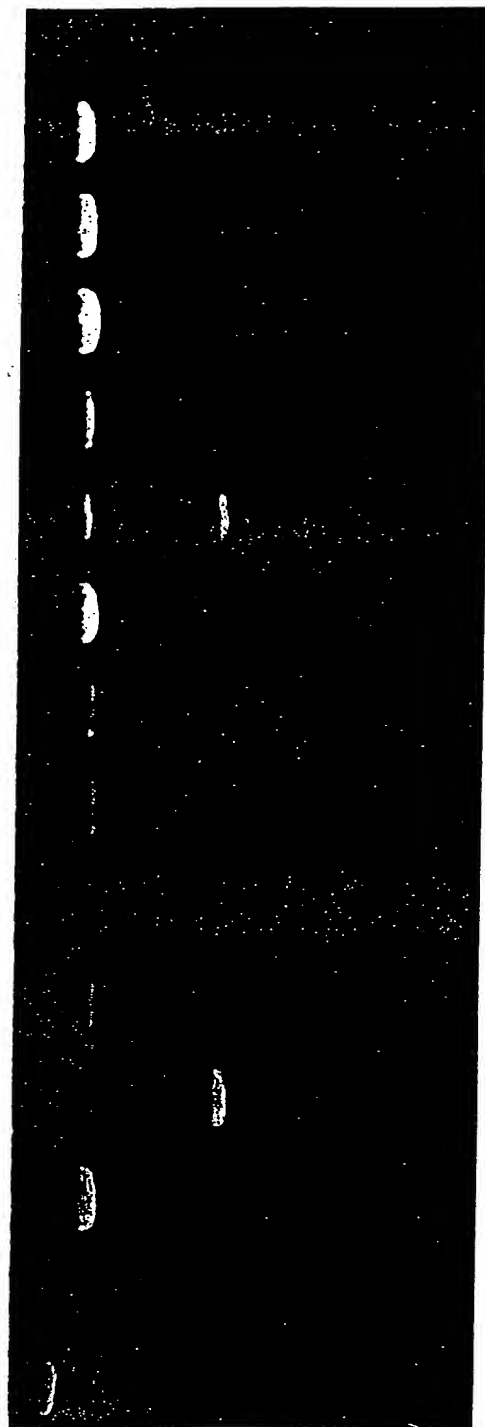


FIG.12A

## POOL 2

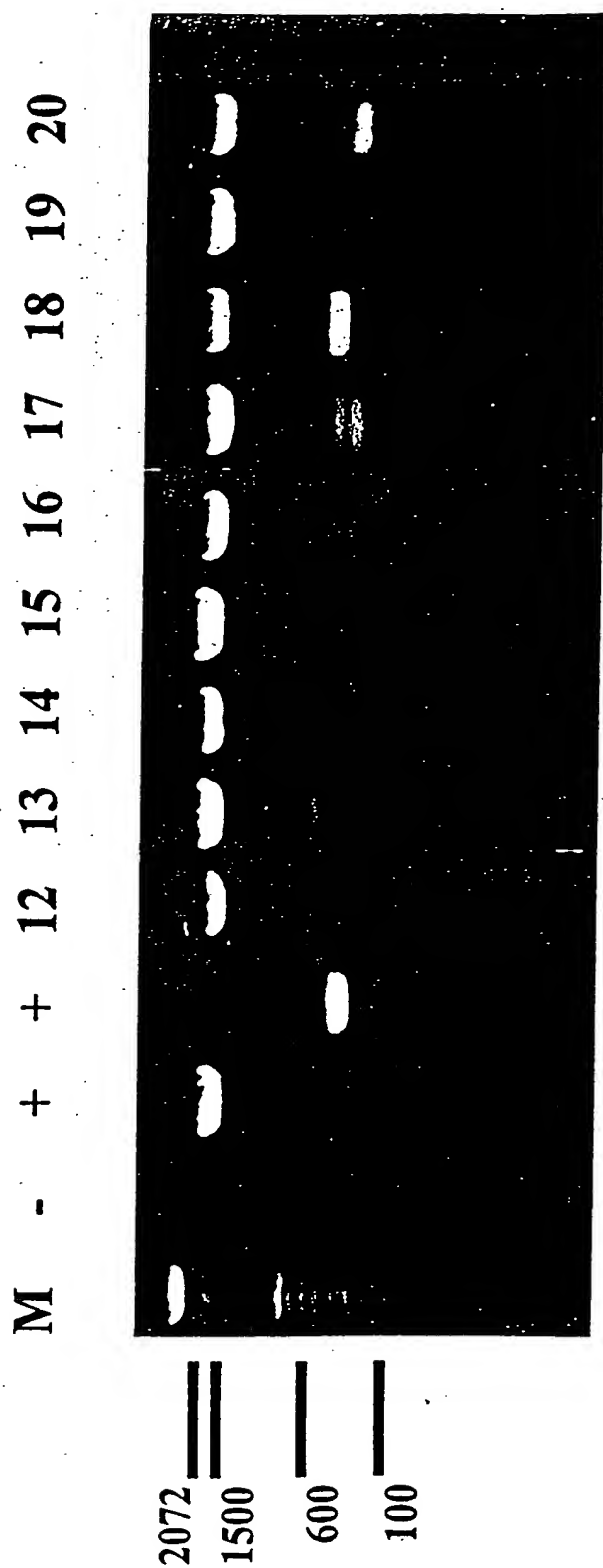


FIG.12B

26502T" 98T98680

# POOL 3

M - + + 21 22 23 27 30 31 32 33 34 35

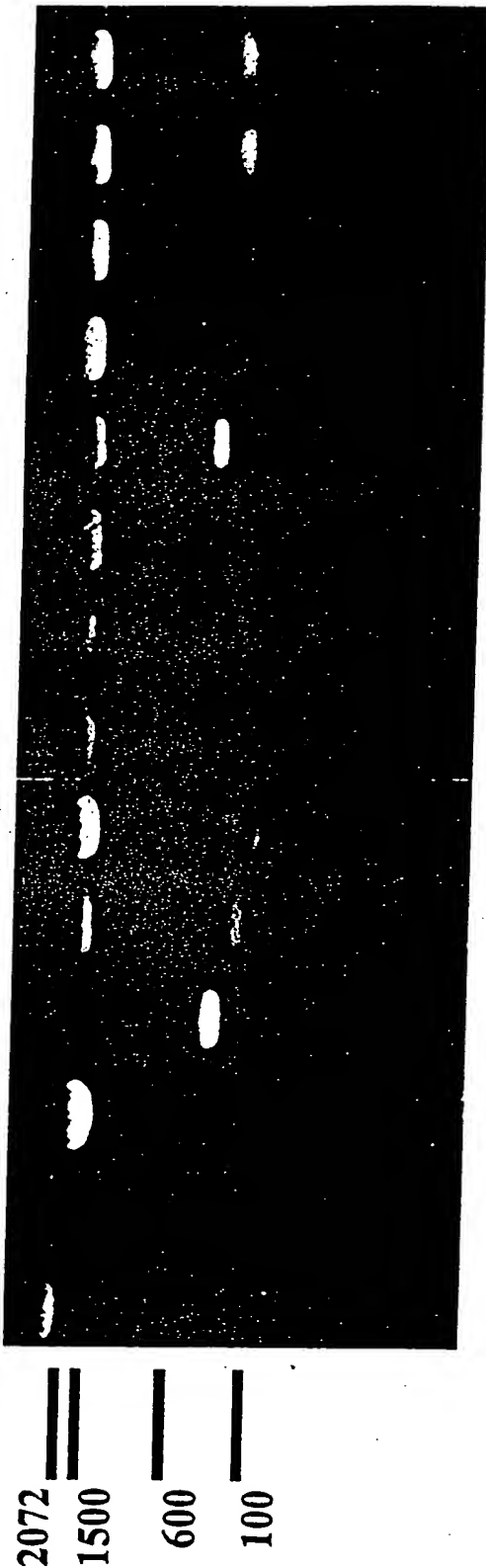


FIG.12C

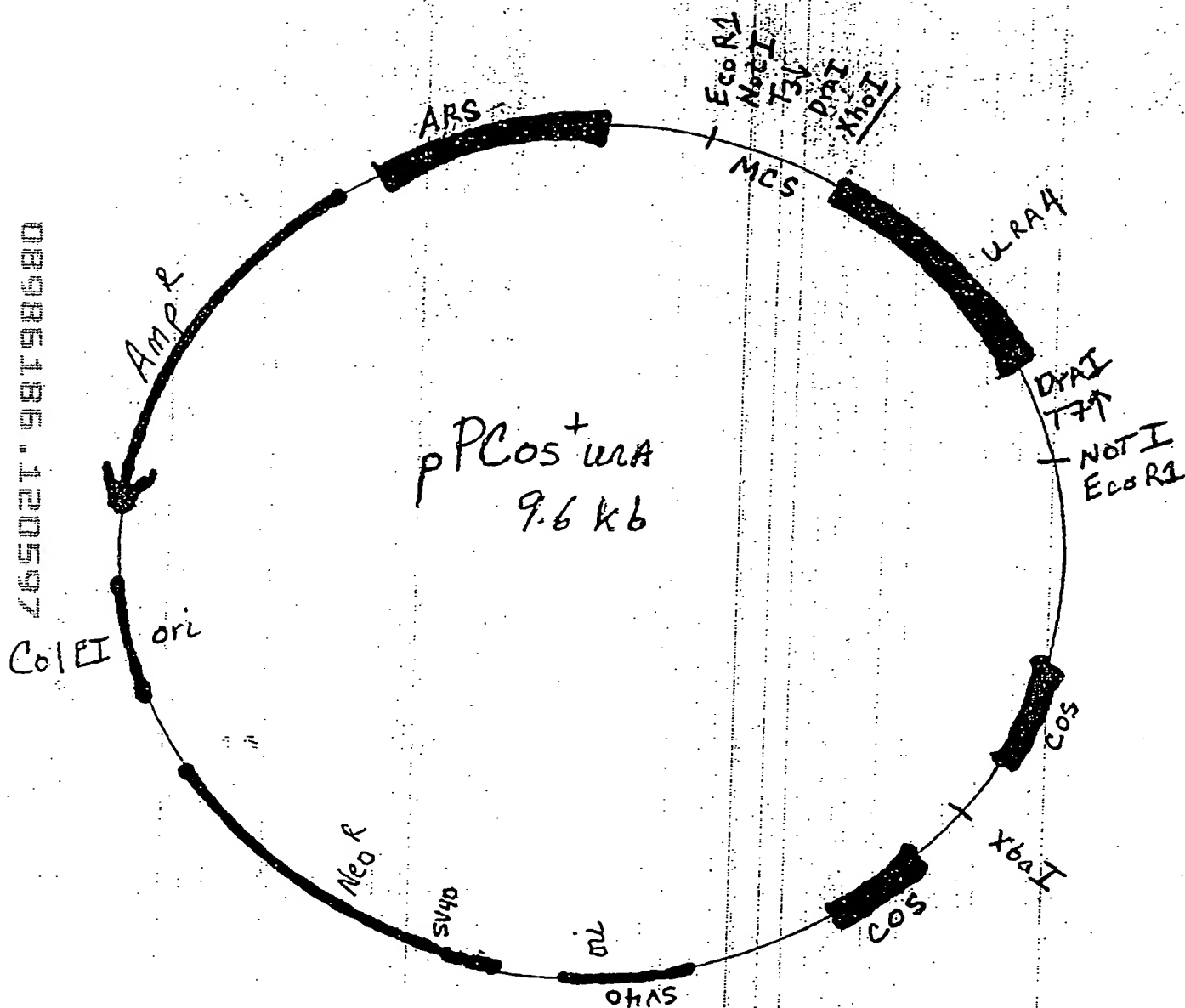


FIG. 13

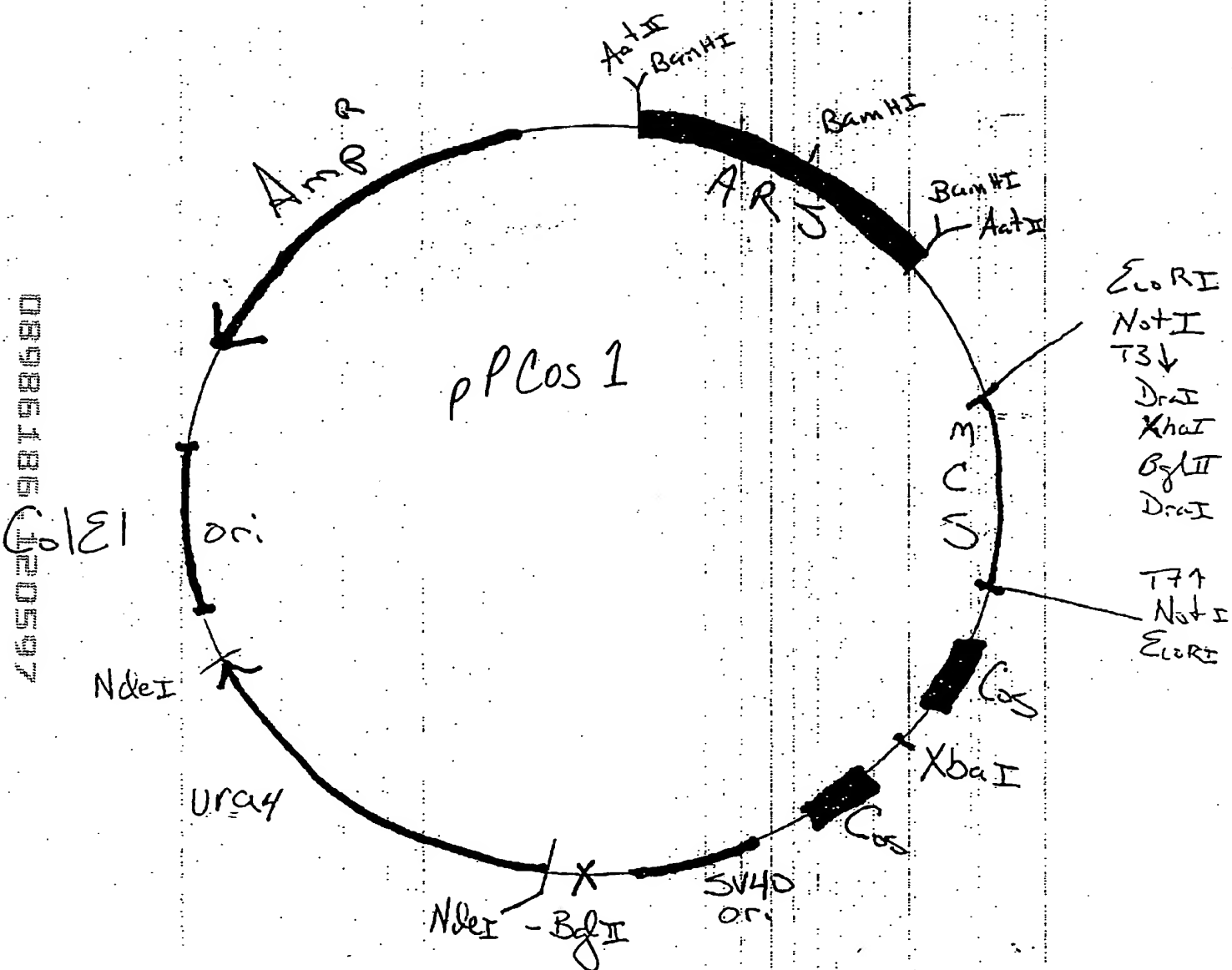


FIG. 14